

Long-term UV protection

RKW guarantees Polydress® LP-Keder with a 5-year warranty against UV degradation. Tested and proven over 30 years, amazingly the films do not change in color or transmission characteristics after being exposed on greenhouses as shown in table below.

Transmission				
Polydress® LP-Keder film:	Transmission direct [%]	Transmission diffuse [%]	Haze [%]	Note
New, not exposed, 2004	81.0	69.3	51.0	analyzed 2004
exposure 9.5 years	77.8	64.9	58.1	analyzed 2004
exposure 17.5 years	76.7	62.9	62.0	analyzed 2004
exposure 23 years	77.4	65.1		analyzed 2014
exposure 25 years	77.4	64.1		analyzed 2014

A new dimension in greenhouse films

Excellent quality in all respects

Trouble-free recycling

Polydress® LP-Keder is a polyethylene film that is completely recyclable and is safe to incinerate. RKK proudly provides recycling centers across Europe where plastic materials are deposited, recycled and then remanufactured into many different high quality products.

Technical data		
Parameter	Value (EN/SI)	Value (US/IMP)
Total thickness/film thickness	8.5 mm/430 µm	1/3 in / 1/64 in (17 mil)
Film width (width of purlin/bow)	1192 mm (4 ft), 1498 mm (5 ft), 1804 mm (6 ft) 1970 mm (2 m), 1985 mm (2 m)	46 15/16 in (4 ft), 58 31/32 in (5 ft), 71 15/64 in (6 ft), 77 9/16 in (6 ft 6 in), 78 5/32 in (6 ft 6 in)
Film length per roll	100 m	328 ft
Weight per sq ft	410 g/m²	1.36 oz/ft²
Roll weight	Approx. 81 kg (at 2 m film width)	178 lb (at 6 ft 6 in film width)
UV stabilization/durability	20920 MJ/m² (500kly) equivalent to 5 years in central Europe at an average annual solar radiation of 4184 MJ/m² (100kly)	1.8 · 106 BTU/ft² (20920 MJ/m²) equivalent to 5 years in central Europe at an average annual solar radiation of 4184 MJ/m² (100kly)
Insulation/R-value/U-value	U-value: 3.3 W/(m² · K)	R-value: 1.7
Light transmission direct (350–1600 nm)	ca. 83 %	ca. 83 %
Light transmission diffuse (350–1600 nm)	ca. 65–75 %	ca. 65–75 %
Light transmission IR (>1600 nm)	ca. <30 %	ca. <30 %
Snow load*	>500 kg/m²	>120 lbs/ft²
Wind load*	>2000 N/m² (>160 km/h windspeed)	>43 lbs/ft² (>100 mph Windspeed)

*Actual wind and snow loads depend on stability of structure and orientation of structure!